Earthdata UTC Meeting 03.07.2017

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Meeting ID: 862-833-445

1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

2. EMS Status

Nelson Casiano

- **Upcoming/Ongoing Activities with Data Providers**
    - EMS-Data Providers Monthly Interface Meeting
        - The initial meeting occurred on Thursday, March 2 at 1:30pm EST.
        - Thanks to all the data providers that were in attendance. We have a makeup session scheduled for this Friday at 11:00.
        - Starting in April, the meeting will be at 2pm EDT.
    - EMS Release 1.5.1.1
        - Deployment to Production was completed successfully on 8 February 2017.
        - We continue reprocessing all FY 2017 distribution logs. We have completed GES DISC and are now reprocessing MODAPS logs.
    - Data Relevancy Reports
        - The EMS and CMR teams met today to set up the framework for EMS delivering these reports to CMR.
    - Making Scheme changes to files sent to EMS Production
        - Please coordinate with EMS before sending updated logs to EMS that have different scheme. We prefer to test updated logs in our UAT environment to ensure there is no impact to daily operations.
        - Starting on March 1, we began receiving logs in our production environment from a Data Provider with a different scheme than the one that was set up in operations. This caused a shift in the fields that created 3.8 million files that EMS describes as 'Not Provided.' We will need to delete the records from the database, correct the scheme and reprocess the files.

3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
    - Please get in touch (Peter Smith) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
    - In Production (Release 4.63.1)
- Earthdata Login public wiki

Ticket Status

Ticket	Sprint
URSFOUR-785 - approve_app endpoint does not go to approval page after authentication	PI4.3
URSFOUR-783 - An application admin should be able to opt out of an previously added application group	PI4.2,4.3
URSFOUR-782 - Improve GUI messages when user requests password reset with locked profile	PI4.5
URSFOUR-781 - Add client_id to Groups api and return with groups info along with app id.	PI4.1,4.2
URSFOUR-780 - Allow EL to redirect user back to application after a number of failed login attempts	PI4.3,4.4
URSFOUR-779 - Investigate GrADS integration with Earthdata Login enabled services	PI4.5
URSFOUR-778 - Add an users api call to return NAMS AUID for an existing EL user if exists	PI4.2
URSFOUR-777 - Add capability for linking NAMS AUID to an existing EL userid through users API	PI4.2
URSFOUR-771 - Update oauth token validation for grouped applications when a token is shared	PI4.2,4.3,4.4
URSFOUR-767 - Improve the Terms of Service agreement on user registration page	PI4.1,4.2

URSFOUR-763 - As ESDIS I want to meet with the EMS team and determine if we can use EL to improve the EMS visual metrics.	PI4.1
URSFOUR-757 - Need to prompt for required groups during app creation.	PI4.5
URSFOUR-756 - Auto Authorize ESDIS apps irrespective of scope(public or otherwise)	PI3.4,4.1
URSFOUR-754 - Redesign 'My Applications' page and User profile sub navigation	
URSFOUR-753 - Global receive email option flag to be used as default option during application auto authorization.	PI3.4
URSFOUR-752 - Return application specific receive email option flag for the user along with user profile information (API)	PI3.4
URSFOUR-751 - Provide an option for the user to opt out of all application related email at a global level (user profile)	PI3.4
URSFOUR-745 - User services should be able to look up users (UI)	PI3.3
URSFOUR-744 - A user should be able to view all the user groups they belong to. (UI)	PI3.1
URSFOUR-743 - Return user groups information along with user profile info (API)	PI3.1
URSFOUR-733 - An application can list all the users in a group (API)	PI3.1

URSFOUR-732 - Provide URS4 api for an application to retrieve all the groups a user belongs to (API)	PI2.4
URSFOUR-731 - Provide URS4 Api to add user to a group by an application (API)	PI3.1
URSFOUR-730 - An application admin should be able to retrieve all the groups a user belongs to (UI)	PI3.1
URSFOUR-729 - Application admin can view a list of all user groups for the application (UI+API)	PI2.4
URSFOUR-728 - An application admin can add and delete a user from a user group (UI)	PI2.4
URSFOUR-727 - An application admin can create and edit a new user group (UI)	PI2.4
URSFOUR-725 - Too many email delivery failures	
URSFOUR-724 - Use human-readable field names (as used in field labels) instead of machine names like "study_area" in the banner/alert that shows up when additional profile fields are required.	PI2.3
URSFOUR-723 - Highlight missing app required user fields in user profile edit page on redirect	PI2.3
URSFOUR-720 - Add a count of the number of applications a user has authorized to the user profile information returned from the API.	PI3.3,3.4
URSFOUR-715 - Support HEAD authentication requests	PI3.3

URSFOUR-713 - URS cookies contain invalid Expires timezone	PI2.4
URSFOUR-705 - An application should be able to redirect to ED Login for additional EULA/Sentinel authorizations	PI2.2
URSFOUR-704 - Add 'Application' as user type options for user profile	PI2.1
URSFOUR-701 - Accept both username and email at the login	PI4.1
URSFOUR-698 - Implement unauthorized access to public user profile data	PI2.2
URSFOUR-697 - Determine which user profile fields should be public, and which should require authorization	PI2.3
URSFOUR-695 - Update LDAP Application model to store required user profile attributes	PI2.1
URSFOUR-694 - Provide capability to support application required user profile attributes during application authorization	PI2.1
URSFOUR-693 - Provide the ability to add/edit application required fields during application registration	PI2.1
URSFOUR-690 - want a list of all the applications I can authorize, with descriptions	PI1.1
URSFOUR-686 - URS appends form parameters to URL when clicking on 'Register' link	PI1.4

4. Earthdata

Katherine Kelly

Earthdata Developer Portal

- Redesigned Top Menu and Search Results page
- Making Dev Portal-Helper docs easier to find.
- Adding documentation for SDPS and OPeNDAP

Study for the Migration of CDN content to NGAP

- Adding application data (in a test environment) to the S3 bucket to test full CDN Cycle.

Launchpad Integrations

- Finishing Launchpad integration with Status App and Conduit
- Tentative Migration date: UAT: March 16th, Production: March 23rd
- ***You will need a **NAMS ID** to use these apps***

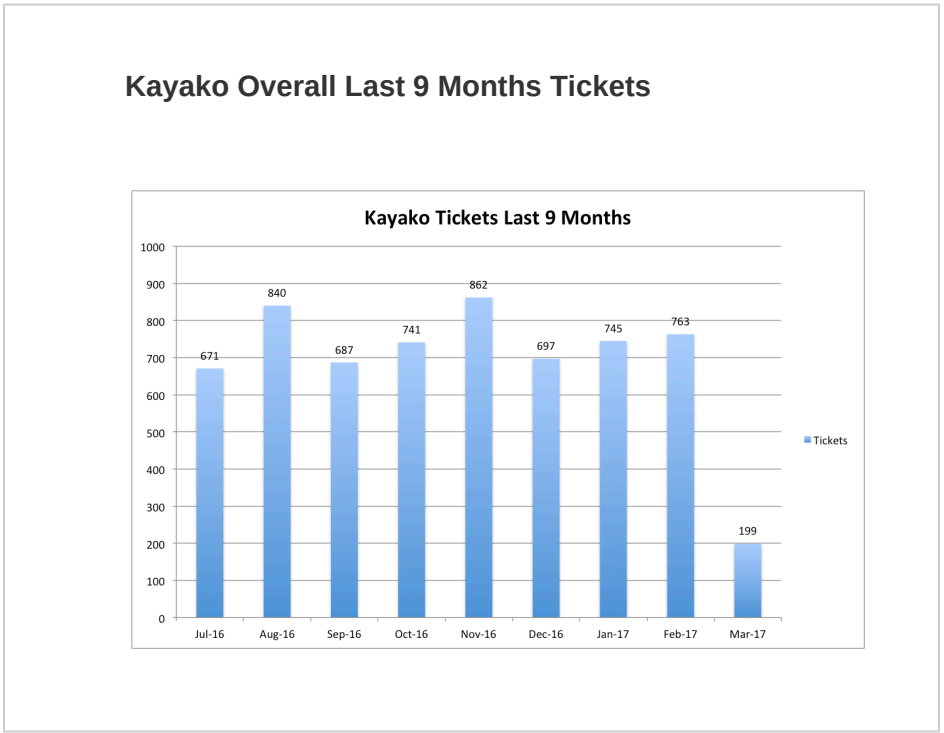
ED Login

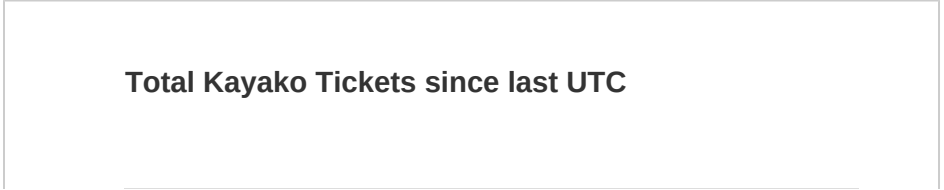
- Admins can manually generate password reset URLs.
- Adding details to User errors to help find them in logs.
- Removing "Request App Creator" button from regular user accounts.

5. User Support Tool

Catalino Cuadrado

Recent Metrics





Kayako Bucket	Closed	In Progress	On Hold	Open	Waiting	Waiting for DAAC	Waiting for User	Total
ASDC	75	3		6	1		1	86
ASF	12						1	13
CDDIS	2							2
ECC	4							4
ECHO	1			2				3
Earthdata	8	1		2				11
Earthdata Search	2			1	2			5
FIRMS	7			1			2	10
GCMD	7			2				9
GES-DISC	4			3				7
GHRC	5						4	9
GIBS	1							1
LANCE	1	1						2
LPDAAC	33	2	3	1		3		42
MODAPS	37			2			5	44
NSIDC	1			1				2
ORNL DAAC	22			5				27
PO.DAAC	7			8			1	16
PO.DAAC Forum	9							9
Reverb	9			1				10

Sea Level Change				1				1
URS	120			16				136
Worldview	11			1			2	14

6. CMR/ECHO/Earthdata Search/MMT

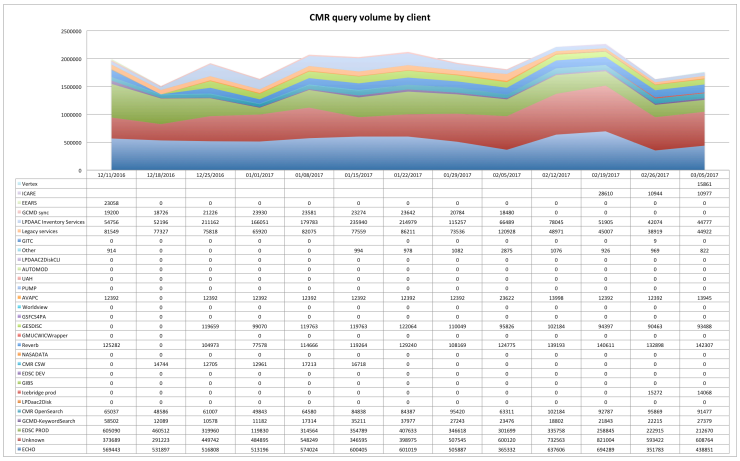
System Status

System Issues

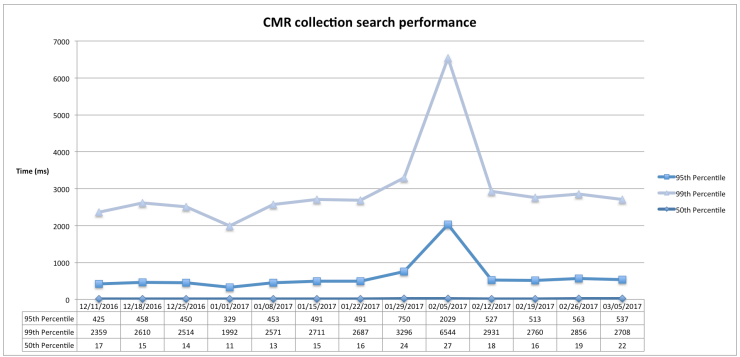
- 2017-02-26 Degraded Service Event - Production - ECHO, CMR and EDSC - Removal of Entrust's Root certificate from ECHO certificate chain in Operations caused EDSC health check to fail and then auto-recycle of ECHO kernels to fail.

Recent Metrics

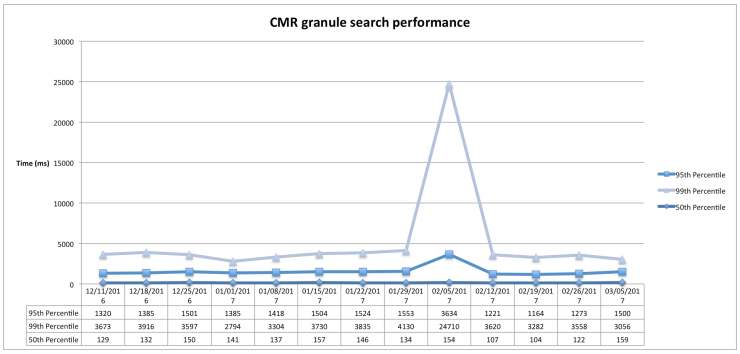
Client usage



Query Performance



	12/11/2016	12/18/2016	12/25/2016	01/01/2017	01/08/2017	01/15/2017	01/22/2017	01/29/2017	02/05/2017	02/12/2017	02/19/2017	02/26/2017	03/05/2017
95th Percentile	425	458	450	329	453	491	491	750	2029	527	513	563	537
99th Percentile	2359	2610	2514	1992	2571	2711	2687	3296	6544	2931	2760	2856	2708
50th Percentile	17	15	14	11	13	15	16	24	27	18	16	19	22



	12/11/2016	12/18/2016	12/25/2016	01/01/2017	01/08/2017	01/15/2017	01/22/2017	01/29/2017	02/05/2017	02/12/2017	02/19/2017	02/26/2017	03/05/2017
95th Percentile	1320	1385	1501	1385	1418	1504	1524	1553	3634	1221	1164	1273	1500
99th Percentile	3673	3916	3597	2794	3304	3730	3835	4130	24710	3620	3282	3558	3056
50th Percentile	129	132	150	141	137	157	146	134	154	107	104	122	159

CMR Release Status

PROD: 1.67

CMR-3786	Catalog Item ACLs in the CMR access control service are not accepting collection_identifier or granule_identifier access values with Min and Max values AND Match 'null'
CMR-3785	Catalog Item ACLs in the CMR access control service are not accepting collection_identifier or granule_identifier access values with Min and Max values AND Match 'null'
CMR-3778	Cannot search for provider orders in CMR provider
CMR-3702	500 Error on Ingest in UAT for NSIDC collection
CMR-3674	As a Client User, I want to search collections by DOI
CMR-3656	Point CMR apps in wl to CMR rest-services/catalog-rest
CMR-3655	Point CMR apps in sit to CMR rest-services/catalog-rest
CMR-3635	ISO to ECHO10 conversion is dropping platform and instrument
CMR-3590	ACLs should be sorted in alphabetical order regardless of case
CMR-3161	As a client user, I want to be able to retrieve UMM JSON with organization and personnel fields translated from ISO19115
CMR-2840	Elements being dropped from DIF and ISO to ECHO10 conversion
CMR-2222	As a Client User, I want the CMR to reject a collection update if it removes a tiling coordinate system referred to by an existing granule.

UAT: 1.68

CMR-3826	Orbits-lib: Update create checkouts and documentation
CMR-3807	Legacy Services sends ACL queries with too many parameters in query string
CMR-3802	Browse imagery not showing up for AST_L1A datasets
CMR-3740	Temporal range search fails to find granule inclusively
CMR-3733	CMR search returns 500 error for collection search with keywords that has too many wildcards
CMR-3585	EDSC retagging every hour causing SocketException during indexing in SIT

Earth Data Search Release Status

PROD: 1.37

EDSC-1326	Project button does not trigger project panel
EDSC-1313	Implement facet GUI changes to enable multiple facets selection
EDSC-1300	EDSC fails to generate correct projection parameters for service invocation of SPL3SMP.4 ESI Service
EDSC-1288	NLP Engine appears to send user to the wrong place when unrecognized spatial term is used
EDSC-1219	Re-projection parameters not being passed to request URL
EDSC-1170	Timeline does not follow temporal filter constraints (Earthdata Search Service Desk)
EDSC-1130	Projection Parameters from ECHO Form not submitted when navigating back and resubmitting request
EDSC-1067	Convert to using app status instead of ECHO calendar events for alerts

UAT: 1.38

EDSC-1346	Projection information not getting passed to EGI
EDSC-1159	Collection details page should use UMM metadata instead of ECHO10 metadata.
ECHO-677	Convert to using app Status instead of ECHO calendar events for alerts

Metadata Management Tool Release Status

PROD: 1.40

MMT-811	500 error when clicking on service option name for EDF_OPS provider in SIT
MMT-732	MMT does not show permissions that do not have any associated groups
MMT-682	Formatting banner from DQS creation page remains on page if switching to Full Metadata Record Search before submitting DQS
MMT-653	As a Provider, I want to delete a service implementation entry.
MMT-652	As a Provider, I want to create and view a service implementation entry.
MMT-651	As a Provider, I want to update an existing service implementation entry for my provider.
MMT-606	As a Provider, I want to filter a summary list of my provider orders.
MMT-564	As a Provider, I want to remove the assignment of a data quality summary from one or more collections.
MMT-556	Science and Spatial Keyword search will incorporate any selected keyword into the selected keyword path
MMT-129	As a Provider, I want to create and view an order policy for my Provider.

UAT: 1.41

MMT-661	As a Provider, I want to delete a service implementation / service option association.
MMT-648	As a Provider, I want to sort a list of my collections with their service option associations by collection, service option, or service implementation.
MMT-647	As a Provider, I want to view a list of my collections and their service option assignments.
MMT-644	As a Provider, I want to indicate whether a service option/service implementation/collection association is for granules only or for collections and granules.
MMT-643	As a Provider, I want to associate a service option with one of my service implementations and one or more of my collections.
MMT-638	As a Provider, I want to delete a service interface entry.
MMT-637	As a Provider, I want to update an existing service interface entry for my provider.
MMT-636	As a Provider, I want to create and view a service interface entry.
MMT-605	As a Provider, I want to view a summary list of my provider orders.
MMT-512	As a provider, I want to grant permissions to granules with an access constraint value to all members of an access control group.
MMT-511	As a provider, I want to grant permissions to all granules of a list of collections to all members of an access control group.
MMT-510	As a provider, I want to grant permissions to all granules to all members of an access control group.
MMT-509	As a provider, I want to grant permissions to collections with an access constraint value to all members of an access control group.

Upcoming PMs

08 Mar 2017

- Misc. and SIT/TB OS patching
    - EI-5682 - CMR/ECHO: Misc Support - Apply 2017 March CMR/ECHO Linux OS patches to Misc Support Servers **AWAITING REVIEW**
    - EI-5683 - ECHO/CMR: Testbed/SIT - Deploy 2017 March Linux OS patches to ECHO Testbed/CMR SIT **AWAITING REVIEW**
- CMR 1.68 to PROD, 1.69 to UAT
- EDSC 1.38 to PROD, 1.39 to UAT
- MMT 1.41 to PROD, 1.42 to UAT
- ECHO 10.140 to OPS, 10.141 to PT

7. Earthdata Search Client Usability Improvements

Mark Reese

Completed Recommendations

- Facet Helper
- Improve Relevancy
    - Based on version ID
    - Based on "has granules"
    - Based on temporal overlap
- Improve Data Access view
    - ESI Services are hidden
    - Band Subsetting

In Progress Recommendations

- Front end overhaul

Recommendations Backlog

- Better CTA for ESI service options
- Redesign timeline

8. GIBS

Matthew Cechini

General Items

- Vectors - Developing functional test plan for internal evaluation of GIBS vector prototype capability.
- ICD Appendix Baselining - Updating existing GIBS ICD Appendix Google Doc spreadsheets to comply with the updated (Rev A) Imagery Provider ICD document. Providers will be contacted individually to review the updated document in preparation for baselining in COMET.

Provider/Product On Boarding

- AIRS - GESDISC
    - Discussing technical issues with image generation with DAAC.
- ASTER L1T - LPDAAC/USGS
    - Coordinating imagery review with USGS through GloVisNext and EDSC clients.
    - Formal historical reprocessing to re-begin post imagery review.
    - Forward processing to be coordinated in March.
- GPM Rain/Snow v4 Standard
    - On hold for v5 data updates scheduled in April 2017.
- MISR NRT
    - Evaluating sample imagery provided on 2/27 to determine if requested fixes have been made.
- MODIS Collection 6 L3 Land
    - Performing sample ingest and imagery review.

- MOPITT NRT
  - Performing ICD development and review.
- OMPS NRT
  - Awaiting resource prioritization.
- VIIRS Black Marble
  - Coordinating 2016 Black Marble imagery with VIIRS SIPS and Earth Observatory teams.
  - Expecting 2016 product during week of 3/6

Jerome King / Alex De Luca

GIBS Production

Status

- HTTPS-Only Transition - Per agency requirements, GIBS is preparing for a transition to support HTTPS-only requests on March 13th, prior to the March 31st 2017 date.
- HTTP/1.0 Traffic - During HTTP security updates performed in early February, support for HTTP/1.0 requests was turned off per upstream recommendations. GIBS identified that approximately 8% of request were being denied due to that change and has removed the restriction.
- SMAP v4 Imagery Updates - Promoted new and updated SMAP v4 imagery products to operations on 2/24/17, including a resumption of forward processing.
- ORNL Daymet Min/Max Air Temperature - Full historical record deployed to operations on 3/1/17.
- AMSRU STD
  - Promotion to Operations awaiting internal software release.
  - Imagery review to be performed in UAT this week (3/6).
- SMAP
  - Coordinating updates to Freeze/Thaw v4 imagery products not included in 2/24/17 release.
- NISE - NSIDC
  - Reviewing historical reprocessed imagery and preparing for operational ingest.
- Aquarius/MODIS PODAAC
  - Reviewing sample "Batch 2" imagery products.
  - Promotion to Operations scheduled for week of 3/6, pending review.
- MODIS C6 Land L2 STD Reprocessing
  - Historical reprocessing has begun (2012 -> Start). Time to completion is TBD
- MODIS C6 Land L2 NRT Forward Processing
  - Initial configuration updates are being tested. Must transition from C5 before 3/31/17.

Issues

- Image-Download was unavailable during our maintenance window due to a firewall requests not implemented for our failover hosts from 02/28 8:00am EST - 12:30pm EST
- Get Capabilities for WMTS/TWMS were incomplete on cache1 after coming maintenance due to a deploy bug from 02/28 12:00pm EST - 03/01 12:50pm EST
- Massive slowdown on Image-Download request due to ipv6 tables being enabled after maintenance from 02/28 12:00pm EST - 03/02 2:16pm EST

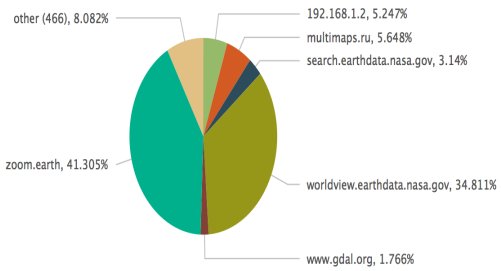
Metrics

Referrer with API Requests for GIBS (Feb 20th - 26th)

Request by API (WMTS)

Monday	3,809,725
Tuesday	3,591,164
Wednesday	4,192,329
Thursday	4,081,070
Friday	3,864,233
Saturday	3,678,674
Sunday	3,321,263

(Daily avg)

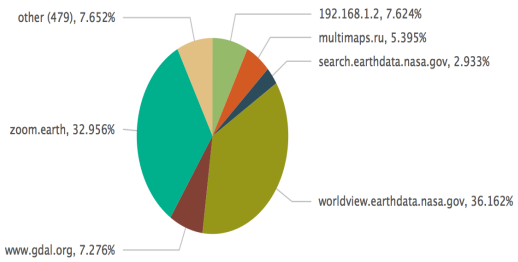


Referrer with API Requests for GIBS (Feb 27th - March 5th)

Request by API (WMTS)

Monday	2,291,817
Tuesday	2,992,361
Wednesday	4,400,895
Thursday	4,568,754
Friday	4,984,300
Saturday	4,643,135
Sunday	4,110,846

(Daily avg)



9. Worldview

Benjamin King

Releases

- Worldview 1.3.6, released Feb. 27, 2017
  - New Products
    - Monthly MERRA and MERRA 2 Surface Skin Temperature and Surface Pressure layers
    - Monthly GLDAS Total Precipitation Rate, Air Temperature, Soil Moisture and NLDAS Precipitation Total, Air Temperature and Soil Moisture layers
    - Daily OMI UV Erythemal Daily Dose, Daily Rate and UV Index layers
    - Weekly Aquarius Soil Moisture layers
  - Updates
    - Corrected date range parsing to show all available data for non-daily products

Work In Progress

- Preparing for a 1.4.0 release
  - Containing:
    - Running-data feature
    - Dateline wrap features
    - Updates to event feature
      - Specific Icon for each event
      - Tooltips to point out events on map
    - Auto-disable feature
    - OpenLayers 4 Migration
    - Many additional products

10. Open Floor

a. Cutover dates for migrating CMR micro-services from on-premises to the cloud.

SIT – March 1st 2017

UAT – March 15th 2017

PROD – TBD

b. PUMP shutdown scheduled for late April

PUMP functionality in MMT can be tested in UAT at mmt.uat.earthdata.nasa.gov

PUMP functionality in MMT will be available in OPS at the beginning of April (mmt.earthdata.nasa.gov)

There will be a period of dual MMT and PUMP operations in April until PUMP shutdown

c. Doodle poll to demonstrate PUMP User Lookup and Calendar functions

User Lookup -> URS

Calendar -> Earthdata Status App (login moving to NAMS)